EXECUTIVE RECOMMENDATION

Blue Plains WWTP: Biological Nutrient Removal - No. 973817

Category: **WSSC** Date Last Modified: December 30, 2004 Previous PDF Page Number:

22-5-(05 App)

Planning Area: Countywide Required Adequate Public Facility: No

Relocation Impact: **EXPENDITURE SCHEDULE (\$000)**

Cost Element		Thru	Est.	6 Year							Beyond
Cost Element	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years
Planning, Design and Supervision	4,595	2,408	154	2,033	498	981	506	48	0	0	0
Construction	29,544	14,010	1,091	14,443	3,536	6,970	3,596	341	0	0	0
Other	177	0	12	165	40	80	41	4	0	0	0
Total	34,316	16,418	1,257	16,641	4,074	8,031	4,143	393	0	0	0

FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	942	451	34	457	112	220	114	11	0	0	0
State Aid	17,160	8,209	629	8,322	2,037	4,016	2,072	197	0	0	0
WSSC Bonds	16,214	7,758	594	7,862	1,925	3,795	1,957	185	0	0	0

COMPARISON (\$000)

									_		_
Total	FY04	Est. FY05	6 Year Total	FY06	FY07	FY08	FY09	FY10		-	
32,877	17,859	1,743	13,275	6,594	5,012	1,669	0	0	0	0	0
32,887	17,873	1,775	13,239	6,588	4,988	1,663	0	0	0	0	6,588
34,316	16,418	1,257	16,641	4,074	8,031	4,143	393	0	0	0	4,074
		TOTAL		%	6-Y	EAR	%		AF	PROP	
st vs Approv	/ed		10	0.0%		(36)	(0.3%)		6,588	0.0	%
vs Approve	ed	1,4	439	4.4%	3	,366	25.4%		4,074	0.0	%
vs Reques	t	1,4	129	4.3%	3	,402	25.7%		(2,514)	(38.29	%)
	32,877 32,887 34,316 st vs Approv	32,877 17,859 32,887 17,873	Total FY04 FY05 32,877 17,859 1,743 32,887 17,873 1,775 34,316 16,418 1,257 TO st vs Approved vs Approved 1,4	Total FY04 FY05 Total 32,877 17,859 1,743 13,275 32,887 17,873 1,775 13,239 34,316 16,418 1,257 16,641 TOTAL st vs Approved 10 vs Approved 1,439	Total FY04 FY05 Total FY06 32,877 17,859 1,743 13,275 6,594 32,887 17,873 1,775 13,239 6,588 34,316 16,418 1,257 16,641 4,074 TOTAL % st vs Approved 10 0.0% vs Approved 1,439 4.4%	Total FY04 FY05 Total FY06 FY07 32,877 17,859 1,743 13,275 6,594 5,012 32,887 17,873 1,775 13,239 6,588 4,988 34,316 16,418 1,257 16,641 4,074 8,031 TOTAL % 6-Y st vs Approved 10 0.0% vs Approved 1,439 4.4% 3	Total FY04 FY05 Total FY06 FY07 FY08 32,877 17,859 1,743 13,275 6,594 5,012 1,669 32,887 17,873 1,775 13,239 6,588 4,988 1,663 34,316 16,418 1,257 16,641 4,074 8,031 4,143 TOTAL % 6-YEAR st vs Approved 10 0.0% (36) vs Approved 1,439 4.4% 3,366	Total FY04 FY05 Total FY06 FY07 FY08 FY09 32,877 17,859 1,743 13,275 6,594 5,012 1,669 0 32,887 17,873 1,775 13,239 6,588 4,988 1,663 0 34,316 16,418 1,257 16,641 4,074 8,031 4,143 393 TOTAL % 6-YEAR % st vs Approved 10 0.0% (36) (0.3%) vs Approved 1,439 4.4% 3,366 25.4%	Total FY04 FY05 Total FY06 FY07 FY08 FY09 FY10 32,877 17,859 1,743 13,275 6,594 5,012 1,669 0 0 32,887 17,873 1,775 13,239 6,588 4,988 1,663 0 0 34,316 16,418 1,257 16,641 4,074 8,031 4,143 393 0 TOTAL % 6-YEAR % st vs Approved 10 0.0% (36) (0.3%) vs Approved 1,439 4.4% 3,366 25.4%	Total FY04 FY05 Total FY06 FY07 FY08 FY09 FY10 FY11 6 32,877 17,859 1,743 13,275 6,594 5,012 1,669 0 0 0 32,887 17,873 1,775 13,239 6,588 4,988 1,663 0 0 0 34,316 16,418 1,257 16,641 4,074 8,031 4,143 393 0 0 TOTAL % 6-YEAR % AP st vs Approved 10 0.0% (36) (0.3%) 6,588 vs Approved 1,439 4.4% 3,366 25.4% 4,074	Total FY04 FY05 Total FY06 FY07 FY08 FY09 FY10 FY11 6 Years F 32,877 17,859 1,743 13,275 6,594 5,012 1,669 0

Recommendation

APPROVE WITH MODIFICATIONS

Comments

Agency:

W.S.S.C.

The project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant capital projects. The Executive recommends changes in the project estimates to align with amounts proposed by the District of Columbia Water and Sewer Authority (WASA).

	Light Station and Coding Information						7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.				ıb. Fac.	E. Annual Operating Budget Impact (000's) FY of Impact				
A Identification and Coding Inform			2. Date: October 1, 2004 Revised:			4 <u>'</u>		1 g.140	1	7.404		Program Costs Staff				
1. Project Number Agency Number	Update (L						Other				
973817 S-22.08	Change		_ -4.Domess	-I			5. Agency:	VAIC	SSC			Facility Costs Maintenance	1201 09			
3. Project Name: Blue Plains WWT						,	. Agency.	VVS	550			Total Costs	1201 09			
4. Program: Sanitation	6. Planning	g Area:	Bi-Co	unty								Impact on Water or Sewer Rate	3¢ 09			
В.					ule (000's			45	(4.0)	(4.7)	(4.9)	F. Approval and Expenditure Data (000'	s)			
	(8)	(9) Thru	(10) Estimate	(11) Total	(12) Year 1	(13) Year 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Date First in Capital Program	FY 96			
Cost Elements	Total	FY '04	FY '05	6 Years	FY'06	FY '07	FY'08	FY'09	FY'10	FY'11	6 Years	Date First Approved	FY 96			
Planning, Design & Supervision	5,371	3,812	346	1,213	542	542	129] '				
Land											Ī	Initial Cost Estimate	12,189			
Site Improvements & Utilities												Cost Estimate Last FY	32,877			
Construction	27,368	14,061	1,411	11,896	5,981	4,397	1,518					Present Cost Estimate	32,887			
Other	148		18	130	65	49	16					Approved Request, Last FY	1,743			
Total	32,887	17,873	1,775	13,239	6,588	4,988	1,663					Total Expenditures & Encumbrances	17,873			
C.	<u> </u>		Funding	Schedu	le (000's)	1	<u> </u>			.		Approval Request FY 06	6,588			
WSSC Bonds	15,538	8,445	838	6,255	3,113		785									
State Aid	16,445	8,937	888	6,620	3,294	2,494	832					Current FY (05)				
City of Rockville	904	491	49	364	181	137	46					G. Status Information				
DESCRIPTION This project includes funding for Facility design and construction United States Department of Ju	n. This proj	share of t ject is stip	he Blue P oulated in	lains Biol the 1995	ogical Nitr Consent I	rogen Re Decree si	moval Pilo gned by th	ot Project ne District	and BNR of Colum	Permane bia and t	ent the	% Project Completion: C-57% Est. Completion Date: FY2008 H. Map Map Reference Code:				
Service Area Bi-County Area							Ca	pacity 37	70 MGD							
JUSTIFIC ATION	•															
Plane & Studies																
Porter, MacNamee & Seely, 19 and the DC-WASA Proposed F	92 Study; (Y 2003 - F	Civil Action	n No. 90- apital Imp	163 and (provemen	Civil Action t Program	n No. 84- (10/16/0	2842 JGP 3).	; the WAS	SA Maste	r Plan (19	998);					
Specific Data																
The Pilot Project was a phased methanol added as the carbon successful during the first two experimental. Based on the resultance facilities include modific bubble diffusers, and improven	source. The years. The sults of the ations to the	ne Pilot P Consent pilot proj e nitrifica	roject was Decree a ect, perma tion basin	s not carri cknowled inent BNF s, methar	ed out for ged that a R facilities nol storage	applying the are being	his techno	logy to the	e Blue Pla structed	ains WW at Blue Pl	TP was lains.	MAP NOT AVAILABL	.E			
Cost Change								A C T NOV DECUES								
Not Applicable.							AGENCY REQUES	· I								
STATUS Various Stages of Planni	ng a Desig	μι														
OTHER The project scope has remaine Project History: This project w (BNR) at Blue Plains. The initi determine the efficacy of methors anent facilities were to be portions of Phase II are comples 50% grant funding in the amounts.	as first incli al cost for t anol addition constructe	uded in that this project on for BNI ed. The e	ct, estima R. Upon : xpenditur enartmen	ted at \$12 successfu e schedul t of the Fi	z.1 million, il completi e reflects ovironmen	, reliected ion of the the cost of it (MDE) I	pilot prog of perman has, by ac	ram, a co ent BNR i reement,	nsent dec facilities. I committe	ree requi Phase I and to prov	ired that and					

D. DES	CRIPTION & JUSTIFICATION (CO	ONT.)			
Agency	Number: S - 22.08	Project Name: Blue Plains WWTP: Biological Nut	rient Removal		
COORD	INATION		ì		
Dist	trict of Columbia Water & Sewer A	uthority (responsible for design and construction).			
NOTE	This project supports 100% Env	ironmental Regulation.			
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